

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. – 10. (Cancelled)

11. (Previously Presented) An electric camera comprising:

an image sensing device with a light receiving surface having N vertically arranged pixels and an arbitrary number of pixels arranged horizontally, N being equal to or more than three times the number of effective scanning lines M of a display screen of a television system;

a driver including a first driver mode to drive the image sensing device to vertically mix or cull signal charges accumulated in individual pixels of every K pixels to produce a number of lines of output signals which corresponds to the number of effective scanning lines M, K being at least one of integers equal to or less than an integral part of a quotient of N divided by M;

said driver also including a second driver mode to drive the image sensing device to vertically mix or cull signal charges accumulated in individual pixels of every K pixels to produce, during a vertical effective scanning period of the television system, a number of lines of output signals which corresponds to $1/K$ the number of vertically arranged pixels N of the image sensing device, K being an integer equal to or less than an integral part of a quotient of N divided by M; and

a signal processing unit to generate image signals by using the output

signals of the image sensing device;

wherein the driving by the first driver mode and the driving by the second driver mode are selectively switched according to input information from a switch provided inside or outside the electric camera.

12. (Currently Amended) An electric camera according to claim 40~~13~~, further including a trigger device such as a shutter button, wherein, when a trigger is produced by the trigger device, the signal charges accumulated in individual pixels of the image sensing device are not cyclically mixed but are read out independently for all pixels.

13. (Currently Amended) ~~An electric camera according to claim 10.~~ An electric camera comprising:

an image sensing device with a light receiving surface having N vertically arranged pixels and an arbitrary number of pixels arranged horizontally, N being equal to or more than three times the number of effective scanning lines M of a display screen of a television system;

a driver to drive the image sensing device to vertically mix or cull signal charges accumulated in individual pixels of K pixels to produce, during a vertical effective scanning period of the television system, a number of lines of output signals which corresponds to $1/K$ the number of vertically arranged pixels N of the image sensing device, K being an integer equal to or less than an integral part of a quotient of N divided by M; and

a signal processing unit having a function of generating image signals by using the output signals of the image sensing device;

_____ wherein color filters that pass first, second and third colors respectively are arranged to cyclically appear horizontally at three-pixel intervals and color filters that pass the same colors are arranged vertically.

14. (Original) An electric camera according to claim 13, wherein the first, second and third colors are yellow, green and cyan, respectively.

15. (Original) An electric camera according to claim 13, wherein the first, second and third colors are yellow, white and cyan, respectively.

16. (Original) An electric camera according to claim 13, wherein the first, second and third colors are red, green and blue, respectively.

17. (Previously Presented) An electric camera according to claim 11, further including a trigger device such as a shutter button, wherein, when a trigger is produced by the trigger device, the signal charges accumulated in individual pixels of the image sensing device are not cyclically mixed but are read out independently for all pixels.

18. (Previously Presented) An electric camera according to claim 11, wherein color filters that pass first, second and third colors respectively are arranged to cyclically appear horizontally at three-pixel intervals and color filters that pass the same colors are arranged vertically.

19. (Previously Presented) An electric camera according to claim 18, wherein the first, second and third colors are yellow, green and cyan, respectively.

20. (Previously Presented) An electric camera according to claim 18, wherein the first, second and third colors are yellow, white and cyan, respectively.

21. (Previously Presented) An electric camera according to claim 18, wherein the first, second and third colors are red, green and blue, respectively.